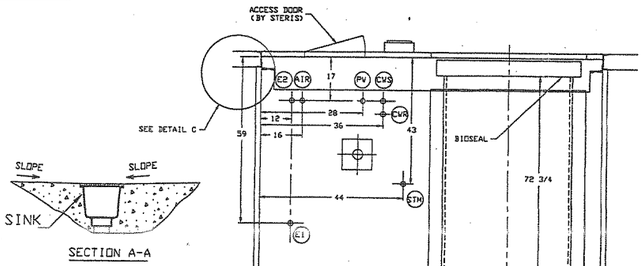
qty. 356256-798

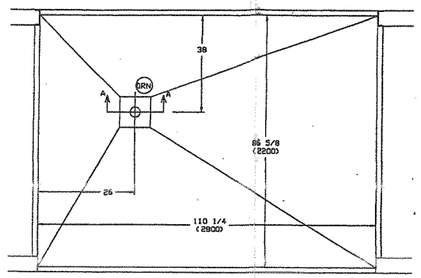
DWG NO. 366074-654 | SHT 1 OF 2

QUANTITY	PART NUMBER	ITEM NO.	PART NAME	DESCRIPTION, MATERIAL	REF	CHANGE NO.
1	366074-654	1	EQUIP. DWG.		0	12/19/00

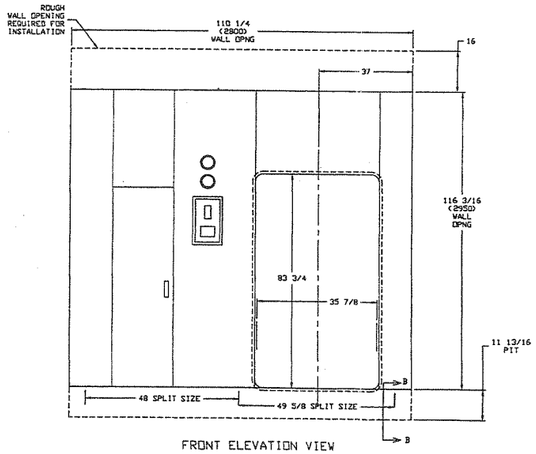


12 X 12 FLOOR SINK RECOMMENDED. (BY OTHERS)

SECTION A-A



PIT DETAIL



FRONT ELEVATION VIEW

UTILITY REQUIREMENTS:

- (A18) COMPRESSED AIR: 1/2 NPT DEHUMIDIFIED, OIL FREE, 70-120 PSIG, 2 CFM.
- (CVS)(CVR) CHILLED WATER (SUPPLY & RETURN): 1" NPT, 40-60 PSIG, 40 GPM, TEMPERATURE DELTA: 15°F.
- (PV) POTABLE WATER: 1" NPT, 40-60 PSIG, 2 GPM.
- (DRN) FLOOR DRAIN: 12" X 12" FLOOR SINK IS RECOMMENDED W/3" BOTTOM CONNECTION CAPABLE OF HANDLING MAXIMUM WATER CONSUMPTION.
- (E1) ELECTRICAL SERVICE: 120V, 50/60HZ, 1PH, 5A FOR CONTROL POWER.
- (C2) ELECTRICAL SERVICE: 480V 60HZ, 3PH FOR 7.5 H.P. VACUUM PUMP MOTOR. 10 AMP.
- (STM) STEAM: 1 1/2 NPT 50-80 PSIG, 97-100% VAPOR QUALITY, 1210 LB/HR AVG. 2420 LB/HR PEAK.

HEAT LOSS: 6,826 BTU/HR AT EACH END
20,478 BTU/HR BETWEEN WALLS

STERILIZER OPERATING WEIGHT: 14,322 LBS.
STERILIZER SHIPPING WEIGHT: 11,836 LBS.

TOLERANCE STANDARD UNLESS OTHERWISE NOTED	FRACTIONAL +/-1/64 DECIMAL +/-.005 ANGULARITY+/-1° MACH. SURF. 125

NO.	DATE	DESCRIPTION	BY
0	12/19/00	RELEASE	SL

STERIS®

STERIS Corporation Mentor, OH

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TITLE: 92118 CENTURY SLH DD R/2 VAC, BIOSEAL, PIT MTD - MIRROR

FIRST MADE FOR

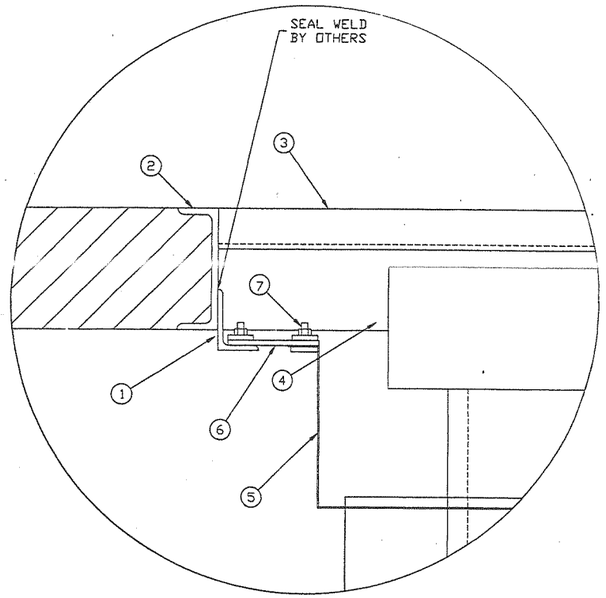
DWG NO. 366074-654 | SHT 2 OF 2

DWG. NO.	SHT NO.
366074-654	2 OF 2

QUANTITY	PART NUMBER	ITEM NO.	PART NAME	DESCRIPTION, MATERIAL	REV	REVISION RELEASE
1	366074-654	1	EQUIP. DWG.		0	12/19/00

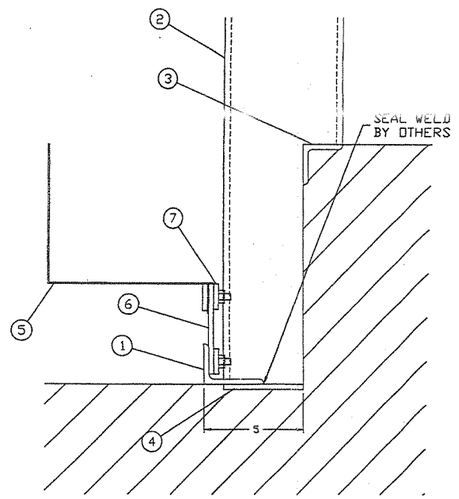
LEGEND:

1. 2 X 3 STAINLESS STEEL WALL FRAME BY STERIS.
2. 6' STAINLESS STEEL WALL CHANNEL SUPPLIED AND INSTALLED BY OTHERS.
3. 2 X 2 STAINLESS STEEL ANGLE, TOP EDGES OF PIT, SUPPLIED AND INSTALLED BY OTHERS.
4. 1/4 X 4 STAINLESS STEEL FLOOR PLATE SUPPLIED AND INSTALLED BY OTHERS.
5. STAINLESS STEEL BIOSEAL BY STERIS.
6. 1/4 THICK NEOPRENE GASKET BY STERIS.
7. CLAMPING BARS AND FASTENERS BY STERIS.



DETAIL C

THIS VIEW TYPICAL, TOP AND SIDES,
FOR BIOSEAL INSTALLATION



SECTION B-B

TOLERANCE STANDARDS UNLESS OTHERWISE NOTED	FRACTIONAL +/-1/64 DECIMAL +/-.005 ANGULARITY+/-1° MACH. SURF. 125

STERIS® STERIS Corporation Mentor, OH

TITLE 92118 CENTURY SLH DD R/2
VAC, BIOSEAL, PIT MTD - MIRROR

FIRST MADE FOR

DWG. NO. 366074-654 SHT 2 OF 2

366074-801 | SHT 1 OF 2

VALVE LEGEND

V1	ROOM AIR TO CHAMBE : (NO)
V2	STEAM TO CHAMBER (COME-UP)
V3A	FAST EXHAUST
V3B	STRAINER BLOWDOWN (SL)
V4	CONDENSER WATER
V9	STEAM TO JACKET
V11	HIGH WATER DUMP
V13	CONSTANT BLEED (SL)
V14	STEAM TO CHAMBER (TIMING) (SL)
V16	WATER SHUT-OFF
V35	OE DOOR SEAL-STEAM ON (A) OFF (B)
V36	NOE DOOR SEAL-STEAM ON (A) OFF (B)
V37	OE DOOR SEAL EXHAUST
V38	NOE DOOR SEAL EXHAUST
V43	VACUUL PUMP WATER
* V71	CHAMBER ISOLATOR
* V72	CHAMBER EXHAUST
* V73	CHAMBER STEAM
* V74	AIR TO FILTER JACKET
* V75	STEAM TO FILTER JACKET

* DECONTAMINATION VALVES
SL-STROKE LIMITER
(NO) NORMALLY OPEN

QUANTITY	PART NUMBER	ITEM NO.	PART MFC.	DESCRIPTION, MATERIAL	REF NO.	REVISION NO.
	366074-801		PIPING ID		0	05-22-01

ROOM AIR
CK4
F1
NO
V1
A B
V36 (NOE)
PS2 (5 PSI)
A B
V35
PS1 (5 PSI)
CK5
F3
PV1
PV2
PV3
SEE DETAIL SHT/NO
COMPRESSED AIR
PS5 (75 PSI)
PR2
V74
V9
PSV2
PG2
HOUSE STEAM
PG11
ST1
FS3 (45 PSI)
PR1
PG12
TR1
TO WASTE TANK
V2
SL
V14
V75
V71
CHAMBER
PSV1
PS4 (1 PSI)
PS9 (38 PSI)
PS7 (38 PSI)
PG1
PG3
PT1
RTD4
F2
FC5
FC8
V72
CK6
TO WASTE TANK
DOOR SEALS
RTD5
JACKET
COOLING WATER
ST2
PS6 (20 PSI)
V16
V43
V4
FC2
FC1
CK7
FC6
PG5
V73
CK8
FC7
PG6
RTD1-2
RTD3
FC3
CK2
TO WASTE TANK
VS1 WATER RECIRCULATING VACUUM SYSTEM
V37
V38 (NOE)
ST3
SL
V3B
FS1
V3A
CHILLED WATER
BV1
F4
VACUUM PUMP
CK1
HX1
SEPERATOR TANK
BV3
PV3
PG7
PR3
PG8
PR4
PG9
PR5
PG10
PR6
EV1
EV2
EV3
EV4
DOOR CYLINDER OPERATING END
DOOR CYLINDER NON-OPERATING END
DOOR LOCK CYLINDER
DOOR LOCK CYLINDER
CK3
FI1
SL
V13
HEAT EXCHANGER
BV2
CHILLED WATER RETURN
CK9
V11
WASTE TANK
WT1
DRAIN

TOLERANCE STANDARD UNLESS OTHERWISE NOTED	FRACTIONAL +/-1/64 DECIMAL +/-.005 ANGULARITY+/-1° MACH. SURF. 125
05-22-01	2525860-02

STERIS

STERIS Corporation Mentor, OH

TITLE: PIPING IDENTIFICATION DRAWING

FIRST MADE FOR UCSM

SIZE D | 366074-801 | 1 SHT 2

SIZE 366074-801 2 SHT 2

REF. NO.	STERIS PT. NO.	PART NAME	DESCRIPTION	VENDOR INFORMATION
BV1	764315-872	BALL VALVE	1 NPT	WORCESTER VALVE CAT. NO. 4416-RTSE-1
BV2	764315-872	BALL VALVE	1 NPT	WORCESTER VALVE CAT. NO. 4416-RTSE-1
CK1	75507-091	CHECK VALVE	1 1/2 NPT	JENKINS CAT. NO. 352
CK2	150828-442	CHECK VALVE	1/2 NPT	STOCKHAM VALVES B-320V W/VITON DISC
CK3	150828-442	CHECK VALVE	1/2 NPT	STOCKHAM VALVES B-320V W/VITON DISC
CK4	150828-446	CHECK VALVE	1 NPT	STOCKHAM VALVES B-320V W/VITON DISC
CK5	150828-442	CHECK VALVE	1/2 NPT	STOCKHAM VALVES B-320V W/VITON DISC
CK6	5424-091	CHECK VALVE	3/8 NPT	NIBCO CAT. NO. T-413V
CK7	5424-091	CHECK VALVE	3/8 NPT	NIBCO CAT. NO. T-413V
CK8	5424-091	CHECK VALVE	3/8 NPT	NIBCO CAT. NO. T-413V
CK9	150828-446	CHECK VALVE	1 NPT	STOCKHAM VALVES B-320V W/VITON DISC
EV1	611040-39F	EXHAUST VALVE	1/4 NPT	FINN-AQUA PT. NO. 611040-39F
EV2	611040-39F	EXHAUST VALVE	1/4 NPT	FINN-AQUA PT. NO. 611040-39F
EV3	611040-39F	EXHAUST VALVE	1/4 NPT	FINN-AQUA PT. NO. 611040-39F
EV4	611040-39F	EXHAUST VALVE	1/4 NPT	FINN-AQUA PT. NO. 611040-39F
FC1	338518-846	GATE VALVE	1 NPT	NIBCO CAT. NO. T-111-L
FC2	338518-844	GATE VALVE	1/2 NPT	NIBCO CAT. NO. T-111-L
FC3	338518-844	GATE VALVE	1/2 NPT	NIBCO CAT. NO. T-111-L
FC5	338518-843	GATE VALVE	3/8 NPT	NIBCO CAT. NO. T-111-L
FC6	338518-843	GATE VALVE	3/8 NPT	NIBCO CAT. NO. T-111-L
FC7	338518-843	GATE VALVE	3/8 NPT	NIBCO CAT. NO. T-111-L
FC8	338518-843	GATE VALVE	3/8 NPT	NIBCO CAT. NO. T-111-L
F1	337509-091	AIR FILTER	1/2 NPT	PALL HOUSING 12211211856 PALL ELEMENT ART 1602270444
F2	338517-728	AIR FILTER	1 1/2 TC	PALL HOUSING 12211211857H4 PALL ELEMENT ART 1602270444
F3	37737-091	SILENCER	1/2 NPT	AIR MAZE CORP. CAT. NO. KK6GC
F4	37737-091	SILENCER	1/2 NPT	AIR MAZE CORP. CAT. NO. KK6GC
FI1	387339-914	FLOW INDICATOR	1/2 NPT	MCMASTER CARR CAT. NO. 4220K25
FS1	387339-998	FLOAT SWITCH	1/8 NPT	MADISON CO. CAT. NO. 5000
HX1	328684-091	HEAT EXCHANGER		WHITLOCK CAT. NO. SY-36
PG1	338520-331	GAUGE-CHAMBER	1/2 NPT	WIKA CAT. NO. 232.34
PG2	338520-579	GAUGE-JACKET	1/2 NPT	WIKA CAT. NO. 232.34
PG3	338520-331	GAUGE-CHAMBER	1/2 NPT	WIKA CAT. NO. 232.34
PG5	1940-051	GAUGE	1/8 NPT	CHIPPEWA INST./US GAGE 129037
PG6	1940-051	GAUGE	1/8 NPT	CHIPPEWA INST./US GAGE 129037
PG7	129353-524	GAUGE	1/8 NPT	NORGREN CAT. NO. 18-013-212
PG8	129353-524	GAUGE	1/8 NPT	NORGREN CAT. NO. 18-013-212
PG9	129353-524	GAUGE	1/8 NPT	NORGREN CAT. NO. 18-013-212
PG10	129353-524	GAUGE	1/8 NPT	NORGREN CAT. NO. 18-013-212
PG11	79680-001	GAUGE	1/4 NPT	AMETEK US GAUGE DIV. NO.P15353
PG12	79680-001	GAUGE	1/4 NPT	AMETEK US GAUGE DIV. NO.P15353
PR1	338520-914	PRESSURE REGULATOR	1 1/2 NPT	JORDAN VALVE
PR2	327136-091	PRESSURE REGULATOR	1 NPT	NORGREN CAT. NO. R-17-801-NGEA
PR3	93897-502	PRESSURE REGULATOR	1/8 NPT	NORGREN CAT. NO. R07-100-RNKA
PR4	93897-502	PRESSURE REGULATOR	1/8 NPT	NORGREN CAT. NO. R07-100-RNKA
PR5	93897-502	PRESSURE REGULATOR	1/8 NPT	NORGREN CAT. NO. R07-100-RNKA
PR6	93897-502	PRESSURE REGULATOR	1/8 NPT	NORGREN CAT. NO. R07-100-RNKA
PS1	387329-091	PRESSURE SWITCH	1/4 NPT	UE CONTROLS TYPE J6 MOD. S156 95035
PS2	387329-091	PRESSURE SWITCH	1/4 NPT	UE CONTROLS TYPE J6 MOD. S156 95035
PS3	387329-091	PRESSURE SWITCH	1/4 NPT	UE CONTROLS TYPE J6 MOD. S156 95035
PS4	387329-091	PRESSURE SWITCH	1/4 NPT	UE CONTROLS TYPE J6 MOD. S156 95035
PS5	387329-091	PRESSURE SWITCH	1/4 NPT	UE CONTROLS TYPE J6 MOD. S156 95035
PS6	387329-091	PRESSURE SWITCH	1/4 NPT	UE CONTROLS TYPE J6 MOD. S156 95035
PS7	387329-091	PRESSURE SWITCH	1/4 NPT	UE CONTROLS TYPE J6 MOD. S156 95035
PS9	387329-091	PRESSURE SWITCH	1/4 NPT	UE CONTROLS TYPE J6 MOD. S156 95035
PT1	764323-791	PRESSURE TRANSMITTER	1/2 NPT	ROSEMOUNT MOD. NO. 1144A-0120-A12
PSV1	3655:0-091	SAFETY VALVE	1 1/4 NPT	KUNKLE MOD. NO. 910BGF03 40 PSIG
PSV2	150828-478	SAFETY VALVE	1 NPT	KUNKLE / WATTS 40 PSIG
PV1	356255-764	PILOT VALVE	GANG OF 10	MAC VALVE INC. 133B-11 (6x4/10) MANIFOLD CAT. NO. A2-5004-01
PV2	356255-764	PILOT VALVE	GANG OF 10	MAC VALVE INC. 133B-11 (6x4/12) MANIFOLD CAT. NO. A2-5004-01
PV3	356255-763	PILOT VALVE	GANG OF 5	MAC VALVE INC. MANIFOLD CAT. NO.334-B00-DAA-1PA-9
RTD1-2	338516-809	DUAL RTD	1 NPT	ROSEMOUNT INC. MOD. NO. 0078-F-15-N-00-N-060
RTD3	338517-217	RTD	1/2 NPT	ROSEMOUNT INC.
RTD4	338517-217	RTD	1/2 NPT	ROSEMOUNT INC. MOD. NO. 0068-F-15-N-00-N-060
RTD5	356256-909	RTD LOAD PROBE		CONAX CAT. NO. C3913-1
ST1	42113-091	STRAINER	1 1/2 NPT	ARMSTRONG
ST2	51850-091	STRAINER	1 NPT	SARCO
ST3	42113-091	STRAINER	1 1/2 NPT	ARMSTRONG
TR1	380041-091	STEAM TRAP	1 NPT	SARCO TD-52
V1	338521-034	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V2	338521-030	PNEUMATIC VALVE	1 1/2 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1 1/2-C-B2-1 1/2-B-C-2-349
V3A	338521-030	PNEUMATIC VALVE	1 1/2 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1 1/2-C-B2-1 1/2-B-C-2-349
V3B	338521-028	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V4	338521-028	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V9	338521-028	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V11	338521-028	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V13	338521-026	PNEUMATIC VALVE	1/2 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1/2-C-B2-1/2-B-D-2-349
V14	338521-028	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V16	338521-028	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V35	338521-436	PNEUMATIC VALVE	1/2 NPT	WORCESTER VALVE CAT. NO. 4416T-SE 0539N
V36	338521-436	PNEUMATIC VALVE	1/2 NPT	WORCESTER VALVE CAT. NO. 4416T-SE 0539N
V37	338521-026	PNEUMATIC VALVE	1/2 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1/2-C-B2-1/2-B-D-2-349
V38	338521-026	PNEUMATIC VALVE	1/2 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1/2-C-B2-1/2-B-D-2-349
V43	338521-028	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V71	338521-028	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V72	338521-028	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V73	338521-028	PNEUMATIC VALVE	1 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1-C-B2-1-B-C-2-349
V74	338521-026	PNEUMATIC VALVE	1/2 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1/2-C-B2-1/2-B-D-2-349
V75	338521-026	PNEUMATIC VALVE	1/2 NPT	BURKERT 2000 SERIES VALVE MOD. NO. 2000-A-1/2-C-B2-1/2-B-D-2-349
VS1	387749-839	VACUUM SYSTEM		STERLING FLUID SYSTEMS
WT1	338522-584	WASTE TANK		SEE STERIS DWG. 338522-584

QUANTITY	PART NUMBER	PCS PER	PART NAME	DESCRIPTION, MATERIAL	REV BY	ISSUED ON
1	366074-801	1	P. I. D.		0	05-22-01

TOLERANCE STANDARD UNLESS OTHERWISE NOTED: FRACTIONAL +/-1/64 DECIMAL +/-.005 ANGULARITY +/-1° MACH. SURF. 125

QTY	NAME	NO.	NAME	MATERIAL

STERIS

STERIS Corporation Mentor, OH

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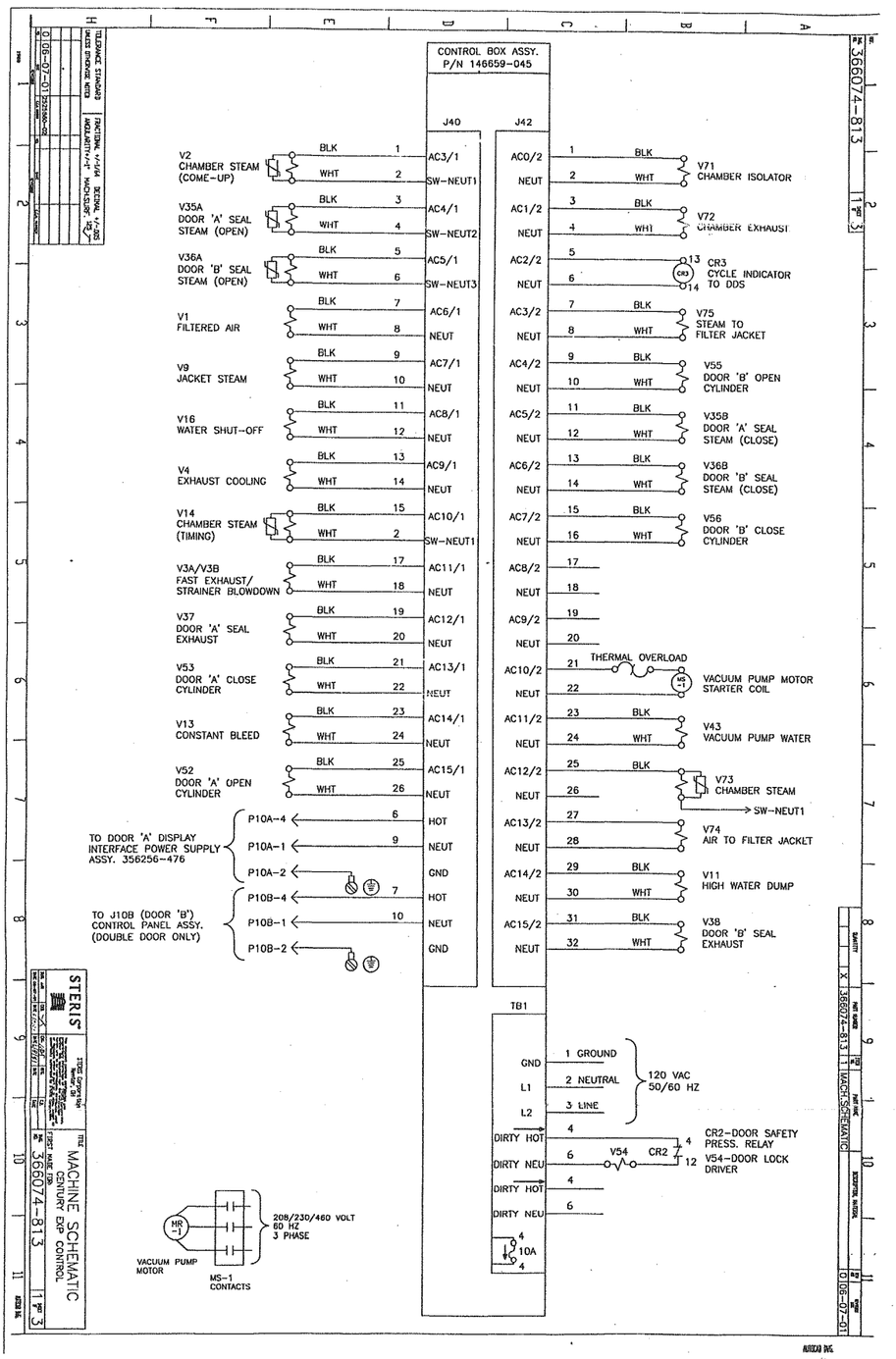
DR.	DATE	CHK.	DATE
BE	05-22-01	BE	05-22-01

TITLE: PIPING IDENTIFICATION DRAWING

FIRST MADE FOR: UCSM

SIZE A1 | DWG NO. 366074-801 | 2 SHT 2

AUTOCAD INC.


CONTROL BOX ASSY.
P/N 146659-045
J40
J42
V2
CHAMBER STEAM
(COME-UP)
V35A
DOOR 'A' SEAL
STEAM (OPEN)
V36A
DOOR 'B' SEAL
STEAM (OPEN)
V1
FILTERED AIR
V9
JACKET STEAM
V16
WATER SHUT-OFF
V4
EXHAUST COOLING
V14
CHAMBER STEAM
(TIMING)
V3A/V3B
FAST EXHAUST/
STRAINER BLOWDOWN
V37
DOOR 'A' SEAL
EXHAUST
V53
DOOR 'A' CLOSE
CYLINDER
V13
CONSTANT BLEED
V52
DOOR 'A' OPEN
CYLINDER
TO DOOR 'A' DISPLAY
INTERFACE POWER SUPPLY
ASSY. 356256-476
TO J10B (DOOR 'B')
CONTROL PANEL ASSY.
(DOUBLE DOOR ONLY)
V71
CHAMBER ISOLATOR
V72
CHAMBER EXHAUST
CR3
CYCLE INDICATOR
TO DDS
V75
STEAM TO
FILTER JACKET
V55
DOOR 'B' OPEN
CYLINDER
V35B
DOOR 'A' SEAL
STEAM (CLOSE)
V36B
DOOR 'B' SEAL
STEAM (CLOSE)
V56
DOOR 'B' CLOSE
CYLINDER
THERMAL OVERLOAD
VACUUM PUMP MOTOR
STARTER COIL
V43
VACUUM PUMP WATER
V73
CHAMBER STEAM
SW-NEUT1
V74
AIR TO FILTER JACKET
V11
HIGH WATER DUMP
V38
DOOR 'B' SEAL
EXHAUST
TB1
1 GROUND
2 NEUTRAL
3 LINE
120 VAC
50/60 HZ
CR2-DOOR SAFETY
PRESS. RELAY
V54-DOOR LOCK
DRIVER
10A
208/230/460 VOLT
60 HZ
3 PHASE
VACUUM PUMP
MOTOR
MS-1
CONTACTS
STERIS
MACHINE SCHEMATIC
CENTURY EXP CONTROL
366074-813
11 OF 3

366074-813 2 OF 3

QUANTITY	PART NUMBER	REF #	PART NAME	DESCRIPTION, MATERIAL	REV	WORK ORDER
X	366074-813	1	MACHINE SCHEM.		0	08-07-01

CONTROL BOX ASSY.
P/N 146659-045

J39: LS0/1, LS1/1, LS2/1, LS3/1, LS4/1, LS5/1, LS6/1, LS7/1, LS8/1, LS9/1, LS10/1, LS11/1, LS12/1, LS13/1, LS14/1, LS15/1, +12V, +12V, 12V RET

J41: LS0/2, LS1/2, LS2/2, LS3/2, LS4/2, LS5/2, LS6/2, LS7/2, LS8/2, LS9/2, LS10/2, LS11/2, LS12/2, LS13/2, LS14/2, LS15/2, +12V, +12V, 12V RET

PS1 DOOR 'A' SEAL PRESSURE SWITCH — COM, NO, 5 PSIG
PS2 DOOR 'B' SEAL PRESSURE SWITCH — COM, NO, 5 PSIG
PS3 CHAMBER PRESSURE HIGH — COM, NC, 38 PSIG
LS1 DOOR 'A' CLOSED SWITCH — COM, NO
LS2 DOOR 'B' CLOSED SWITCH — COM, NO
PS3 LOW PURE/HOUSE STEAM UTILITY — COM, NO, 45 PSIG
CS1 HIGH WATER FLOAT SWITCH — COM, NC

LS3 DOOR 'A' OPEN — COM, NO
LS4 DOOR 'A' PRESS. LOCK — COM, NC
LS5 DOOR 'A' OBSTRUCTION — COM, NC
ES-A, 12A, ES-B, 11A — DBL. DOOR UNITS ONLY
EMERGENCY STOP SWITCH INPUT
LS6 DOOR 'B' OPEN — COM, NO
LS7 DOOR 'B' PRESS. LOCK — COM, NC
LS8 DOOR 'B' OBSTRUCTION — COM, NC
CR2 DOOR SAFETY PRESS. RELAY — 5, CR2, 9
SEPERATE JACKET AND PURE STEAM UTILITY SWITCHES ONLY
PS8 JACKET STEAM UTILITY — COM, 45 PSIG, NO
PS5 COMPRESSED AIR UTILITY — COM, 75 PSIG, NO
PS6 COLD WATER UTILITY — COM, 20 PSIG, NO
PS7 JACKET PRESSURE HIGH — COM, NC
DD-1 DD-1 DD-2 SERVICE ACCESS DOOR SWITCHES — COM, NO
DD-2

OPERATING END PANEL
EMERGENCY STOP ES-A
NON-OPERATING END PANEL (DBL DOOR ONLY)
EMERGENCY STOP ES-B
504A, 505, 515A, 506

P47
1 RED 504
2 BLK 515
3 RED 505
4 BLK 506

TOLERANCE STANDARD UNLESS OTHERWISE NOTED	FRACTIONAL +/-1/64 ANGULARITY +/-1°	DECIMAL +/-.005 MACH.SURF. 125

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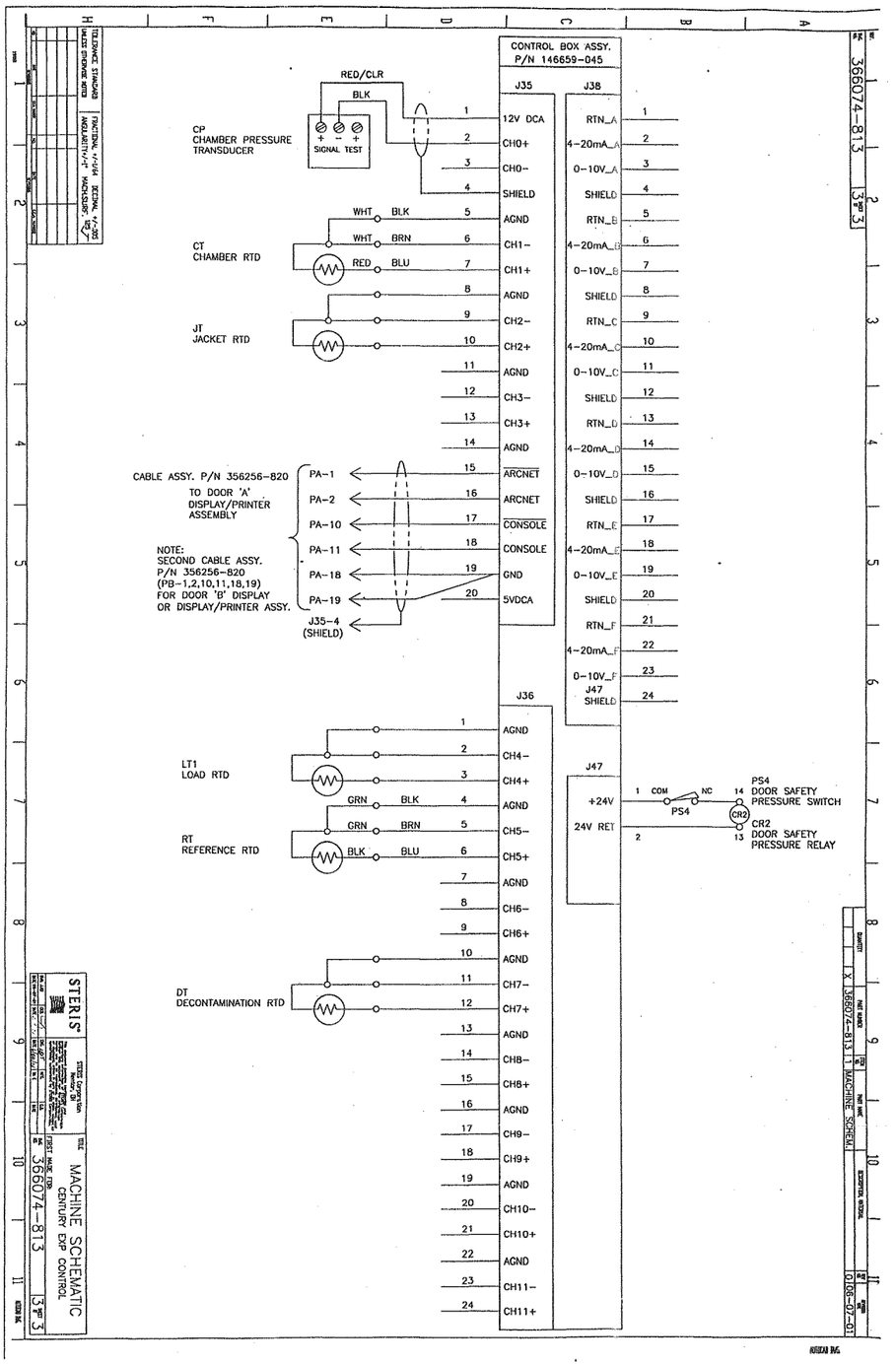
TITLE: MACHINE SCHEMATIC
CENTURY EXP CONTROL

FIRST MADE FOR:

DWG NO 366074-813 SHEET 2 OF 3


CONTROL BOX ASSY.
P/N 146659-045
J35
J38
J36
J47
RED/CLR
BLK
SIGNAL TEST
CP
CHAMBER PRESSURE
TRANSDUCER
CT
CHAMBER RTD
JT
JACKET RTD
LT1
LOAD RTD
RT
REFERENCE RTD
DT
DECONTAMINATION RTD
12V DCA
CH0+
CH0-
SHIELD
AGND
CH1-
CH1+
CH2-
CH2+
CH3-
CH3+
ARCNET
CONSOLE
GND
5VDCA
CH4-
CH4+
CH5-
CH5+
CH6-
CH6+
CH7-
CH7+
CH8-
CH8+
CH9-
CH9+
CH10-
CH10+
CH11-
CH11+
RTN_A
4-20mA_A
0-10V_A
RTN_B
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RTN_C
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0-10V_C
RTN_D
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0-10V_D
RTN_E
4-20mA_E
0-10V_E
RTN_F
4-20mA_F
0-10V_F
J47 SHIELD
+24V
24V RET
CABLE ASSY. P/N 356256-820
TO DOOR 'A'
DISPLAY/PRINTER
ASSEMBLY
PA-1
PA-2
PA-10
PA-11
PA-18
PA-19
J35-4
(SHIELD)
NOTE:
SECOND CABLE ASSY.
P/N 356256-820
(PB-1,2,10,11,18,19)
FOR DOOR 'B' DISPLAY
OR DISPLAY/PRINTER ASSY.
PS4
DOOR SAFETY
PRESSURE SWITCH
CR2
DOOR SAFETY
PRESSURE RELAY
STERIS
MACHINE SCHEMATIC
CENTURY EXP CONTROL
366074-813
3 OF 3

REF.

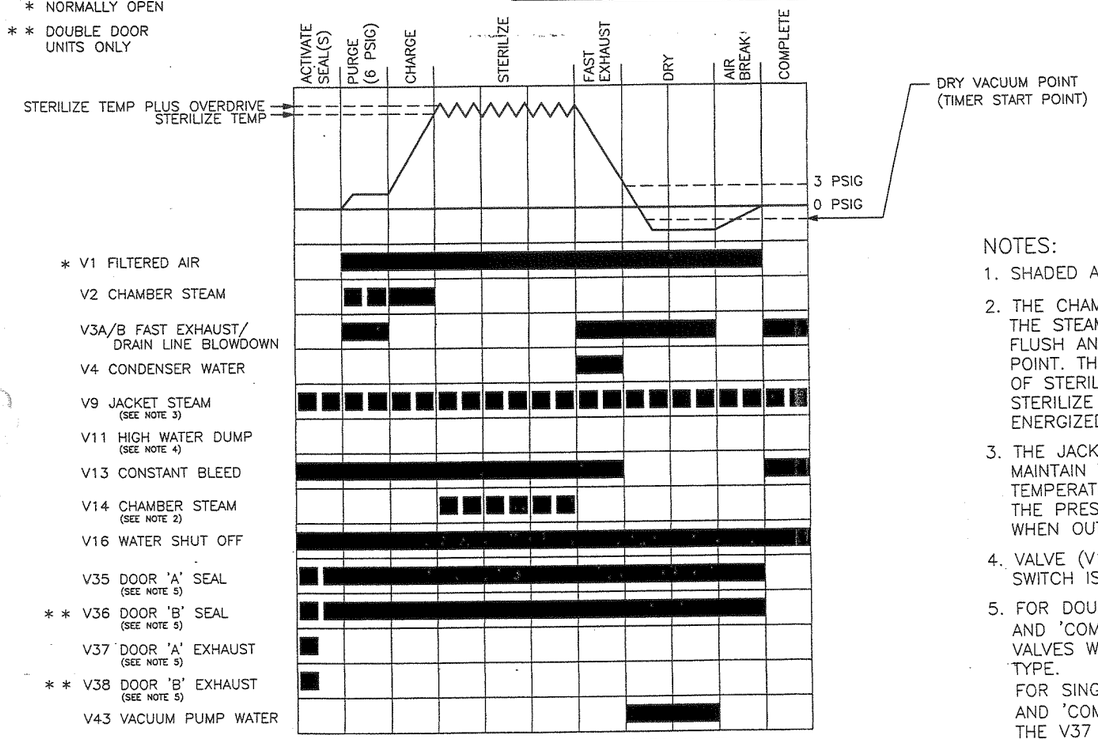
AUTOCAD DWG.

DWG.	SHEET OF
338522-599	1 OF 4

QUANTITY	PART NUMBER	ITEM NO.	PART NAME	DESCRIPTION, MATERIAL	REV NO	REVISION DATE
	338522-599	1	CYCLE GRAPH		0	01-22-01

* NORMALLY OPEN

* * DOUBLE DOOR UNITS ONLY


ACTIVATE SEAL(S)
PURGE (6 PSIG)
CHARGE
STERILIZE
FAST EXHAUST
DRY
AIR BREAK
COMPLETE
STERILIZE TEMP PLUS OVERDRIVE
STERILIZE TEMP
DRY VACUUM POINT (TIMER START POINT)
3 PSIG
0 PSIG
* V1 FILTERED AIR
V2 CHAMBER STEAM
V3A/B FAST EXHAUST/ DRAIN LINE BLOWDOWN
V4 CONDENSER WATER
V9 JACKET STEAM (SEE NOTE 3)
V11 HIGH WATER DUMP (SEE NOTE 4)
V13 CONSTANT BLEED
V14 CHAMBER STEAM (SEE NOTE 2)
V16 WATER SHUT OFF
V35 DOOR 'A' SEAL (SEE NOTE 5)
* * V36 DOOR 'B' SEAL (SEE NOTE 5)
V37 DOOR 'A' EXHAUST (SEE NOTE 5)
* * V38 DOOR 'B' EXHAUST (SEE NOTE 5)
V43 VACUUM PUMP WATER

NOTES:

1. SHADED AREA DENOTES VALVE ENERGIZED.
2. THE CHAMBER STEAM (V14) VALVE IS ENERGIZED AT THE STEAM FLUSH PRESSURE POINT DURING STEAM FLUSH AND IS THEN CONTROLLED TO MAINTAIN THIS POINT. THE SAME VALVE IS CONTROLLED AT THE START OF STERILIZE TO MAINTAIN CHAMBER TEMPERATURE AT STERILIZE TEMP PLUS OVERDRIVE. WHEN V14 IS ENERGIZED, V2 IS DE-ENERGIZED.
3. THE JACKET STEAM (V9) VALVE IS CONTROLLED TO MAINTAIN THE PRESET IN-CYCLE JACKET TEMPERATURE THROUGHOUT THE CYCLE AND THE PRESET OUT-OF-CYCLE TEMPERATURE WHEN OUT OF CYCLE.
4. VALVE (V11) IS ENERGIZED WHEN HIGH WATER LEVEL SWITCH IS OPEN.
5. FOR DOUBLE DOOR UNITS: DURING 'RETRACT SEAL' AND 'COMPLETE', THE DOOR SEAL AND SEAL EXHAUST VALVES WILL VARY BASED ON THE DOOR INTERLOCK TYPE.
   FOR SINGLE DOOR UNITS: DURING 'RETRACT SEAL' AND 'COMPLETE' THE V35 VALVE WILL BE OFF AND THE V37 VALVE WILL BE ON.

GRAVITY CYCLE
(AND DART WARM-UP)

TOLERANCE STANDARD UNLESS OTHERWISE NOTED	FRACTIONAL +/-1/64 DECIMAL +/-.005 ANGULARITY +/-1° MACH. SURF. 125

NO.	DATE	E.C.A. NUMBER	NO.	DATE	E.C.A. NUMBER
0	01-22-01	2351230-01			

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DWN. JJB	CKD.	ENG.	MFG.	C.E.
DATE 01-22-01	DATE 1/22/01	DATE 1-22-01	DATE	DATE

TITLE: CYCLE GRAPH

FIRST MADE FOR:

DWG. NO. 338522-599 | SHEET 1 OF 4

REF.

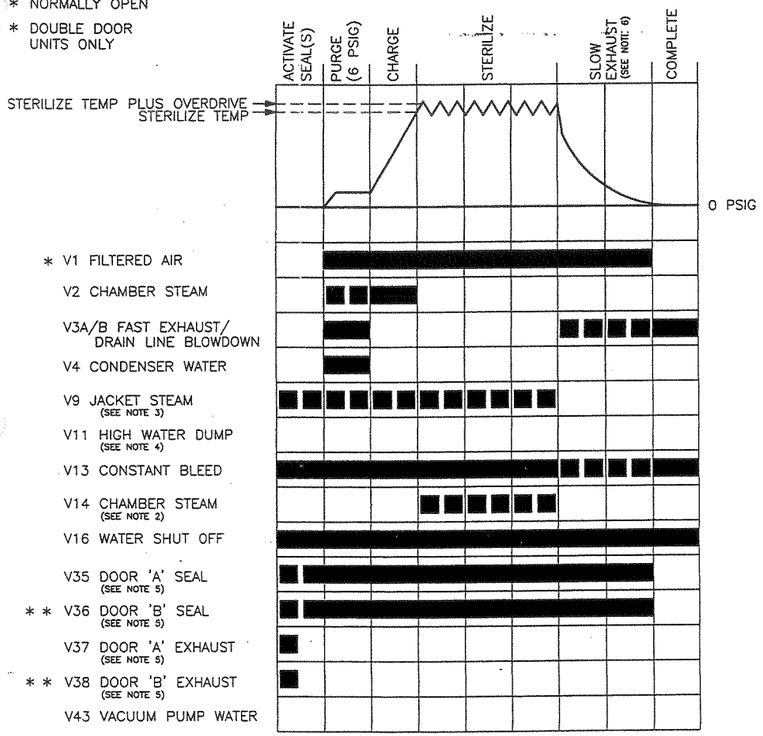
AUTOCAD DWG.

DWG. NO.	SHEET OF
338522-599	2 OF 4

QUANTITY	PART NUMBER	ITEM NO.	PART NAME	DESCRIPTION, MATERIAL	REV NO	REVISION DATE
	338522-599	1	CYCLE GRAPH		0	01-22-01

* NORMALLY OPEN

* * DOUBLE DOOR UNITS ONLY


ACTIVATE SEAL(S)
PURGE (6 PSIG)
CHARGE
STERILIZE
SLOW EXHAUST (SEE NOTE 6)
COMPLETE
STERILIZE TEMP PLUS OVERDRIVE
STERILIZE TEMP
0 PSIG
* V1 FILTERED AIR
V2 CHAMBER STEAM
V3A/B FAST EXHAUST/ DRAIN LINE BLOWDOWN
V4 CONDENSER WATER
V9 JACKET STEAM (SEE NOTE 3)
V11 HIGH WATER DUMP (SEE NOTE 4)
V13 CONSTANT BLEED
V14 CHAMBER STEAM (SEE NOTE 2)
V16 WATER SHUT OFF
V35 DOOR 'A' SEAL (SEE NOTE 5)
* * V36 DOOR 'B' SEAL (SEE NOTE 5)
V37 DOOR 'A' EXHAUST (SEE NOTE 5)
* * V38 DOOR 'B' EXHAUST (SEE NOTE 5)
V43 VACUUM PUMP WATER

LIQUID CYCLE

NOTES:

1. SHADED AREA DENOTES VALVE ENERGIZED.
2. THE CHAMBER STEAM (V14) VALVE IS ENERGIZED AT THE STEAM FLUSH PRESSURE POINT DURING STEAM FLUSH AND IS THEN CONTROLLED TO MAINTAIN THIS POINT. THE SAME VALVE IS CONTROLLED AT THE START OF STERILIZE TO MAINTAIN CHAMBER TEMPERATURE AT STERILIZE TEMP PLUS OVERDRIVE. WHEN V14 IS ENERGIZED, V2 IS DE-ENERGIZED.
3. THE JACKET STEAM (V9) VALVE IS CONTROLLED TO MAINTAIN THE PRESET IN-CYCLE JACKET TEMPERATURE THROUGHOUT THE CYCLE AND THE PRESET OUT-OF-CYCLE TEMPERATURE WHEN OUT OF CYCLE.
4. VALVE (V11) IS ENERGIZED WHEN HIGH WATER LEVEL SWITCH IS OPEN.
5. FOR DOUBLE DOOR UNITS: DURING 'RETRACT SEAL' AND 'COMPLETE', THE DOOR SEAL AND SEAL EXHAUST VALVES WILL VARY BASED ON THE DOOR INTERLOCK TYPE.
   FOR SINGLE DOOR UNITS: DURING 'RETRACT SEAL' AND 'COMPLETE' THE V35 VALVE WILL BE OFF AND THE V37 VALVE WILL BE ON.
6. SLOW EXHAUST: V3 AND V13 ARE CONTROLLED AS FOLLOWS:

MAINTAINED EXHAUST RATE	CHAMBER PRESSURE
1.6 PSI (0.12 BAR)/MIN.	>4.2 PSIG (0.29 BAR)
0.6 PSI (0.04 BAR)/MIN.	>0.5 PSIG & <4.2 PSIG (>0.034 BAR & <0.29 BAR)

TOLERANCE STANDARD UNLESS OTHERWISE NOTED	FRACTIONAL +/-1/64 DECIMAL +/-.005 ANGULARITY+/-1° MACH. SURF. 125

NO.	DATE	E.C.A. NUMBER	NO.	DATE	E.C.A. NUMBER

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DATE 01-22-01	DATE 1/24/01	DATE 1-22-01	DATE	DATE

TITLE: CYCLE GRAPH

FIRST MADE FOR:

DWG. NO. 338522-599 | SHEET 2 OF 4

REF.

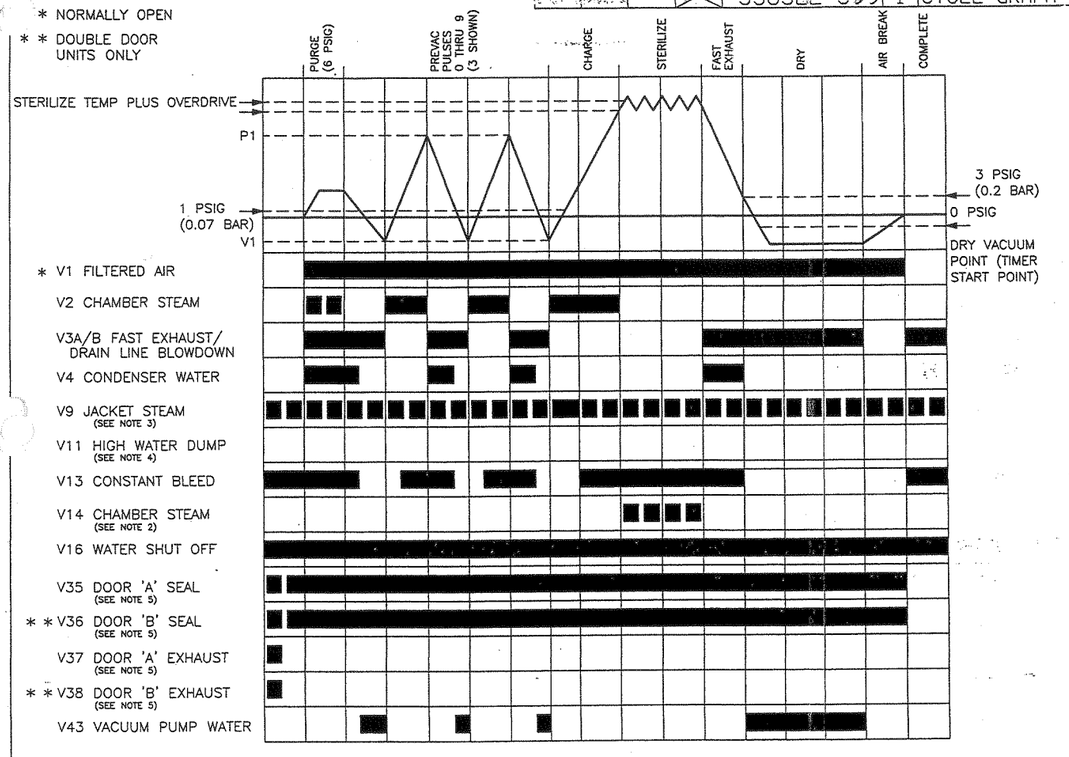
AUTOCAD DWG.

DWG.	SHEET OF
338522-599	3 4

QUANTITY	PART NUMBER	ITEM NO.	PART NAME	DESCRIPTION, MATERIAL	REV NO	REVISION DATE
X	338522-599	1	CYCLE GRAPH		0	01-22-01

* NORMALLY OPEN

* * DOUBLE DOOR UNITS ONLY


PURGE (6 PSIG)
PREVAC PULSES 0 THRU 9 (3 SHOWN)
CHARGE
STERILIZE
FAST EXHAUST
DRY
AIR BREAK
COMPLETE
STERILIZE TEMP PLUS OVERDRIVE
P1
1 PSIG (0.07 BAR)
V1
3 PSIG (0.2 BAR)
0 PSIG
DRY VACUUM POINT (TIMER START POINT)
* V1 FILTERED AIR
V2 CHAMBER STEAM
V3A/B FAST EXHAUST/ DRAIN LINE BLOWDOWN
V4 CONDENSER WATER
V9 JACKET STEAM (SEE NOTE 3)
V11 HIGH WATER DUMP (SEE NOTE 4)
V13 CONSTANT BLEED
V14 CHAMBER STEAM (SEE NOTE 2)
V16 WATER SHUT OFF
V35 DOOR 'A' SEAL (SEE NOTE 5)
* * V36 DOOR 'B' SEAL (SEE NOTE 5)
V37 DOOR 'A' EXHAUST (SEE NOTE 5)
* * V38 DOOR 'B' EXHAUST (SEE NOTE 5)
V43 VACUUM PUMP WATER

NOTES:

1. SHADED AREA DENOTES VALVE ENERGIZED.
2. THE CHAMBER STEAM (V14) VALVE IS ENERGIZED AT THE STEAM FLUSH PRESSURE POINT DURING STEAM FLUSH AND IS THEN CONTROLLED TO MAINTAIN THIS POINT. THE SAME VALVE IS CONTROLLED AT THE START OF STERILIZE TO MAINTAIN CHAMBER TEMPERATURE AT STERILIZE TEMP PLUS OVERDRIVE. WHEN V14 IS ENERGIZED, V2 IS DE-ENERGIZED.
3. THE JACKET STEAM (V9) VALVE IS CONTROLLED TO MAINTAIN THE PRESET IN-CYCLE JACKET TEMPERATURE THROUGHOUT THE CYCLE AND THE PRESET OUT-OF-CYCLE TEMPERATURE WHEN OUT OF CYCLE.
4. VALVE (V11) IS ENERGIZED WHEN HIGH WATER LEVEL SWITCH IS OPEN.
5. FOR DOUBLE DOOR UNITS: DURING 'RETRACT SEAL' AND 'COMPLETE', THE DOOR SEAL AND SEAL EXHAUST VALVES WILL VARY BASED ON THE DOOR INTERLOCK TYPE.
   FOR SINGLE DOOR UNITS: DURING 'RETRACT SEAL' AND 'COMPLETE' THE V35 VALVE WILL BE OFF AND THE V37 VALVE WILL BE ON.

PREVACUUM CYCLE
(SELECTABLE PULSES)

DART CYCLE
(4 PULSES)

TOLERANCE STANDARD UNLESS OTHERWISE NOTED	FRACTIONAL +/-1/64 DECIMAL +/-.005 ANGULARITY +/-1° MACH. SURF. 125

NO.	DATE	E.C.A. NUMBER	NO.	DATE	E.C.A. NUMBER

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DATE 01-22-01	DATE	DATE 1-22-01	DATE	DATE

TITLE: CYCLE GRAPH

FIRST MADE FOR:

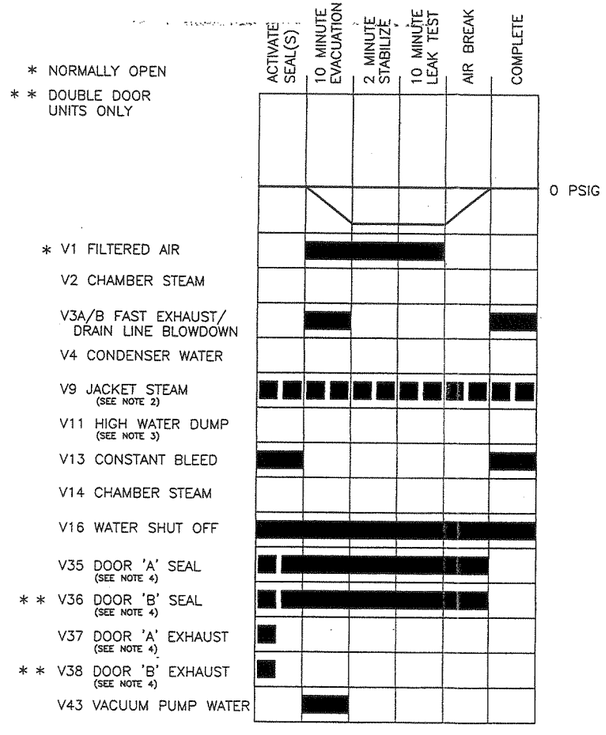
DWG. NO. 338522-599 | SHEET 3 OF 4

REF.

AUTOCAD DWG.

DWG. NO.	SHEET OF
338522-599	4 SHEET OF 4

QUANTITY	PART NUMBER	ITEM NO.	PART NAME	DESCRIPTION, MATERIAL	REV NO	REVISION DATE
X	338522-599	1	CYCLE GRAPH		0	01-22-01


ACTIVATE SEAL(S)
10 MINUTE EVACUATION
2 MINUTE STABILIZE
10 MINUTE LEAK TEST
AIR BREAK
COMPLETE
0 PSIG
* NORMALLY OPEN
* * DOUBLE DOOR UNITS ONLY
* V1 FILTERED AIR
V2 CHAMBER STEAM
V3A/B FAST EXHAUST/ DRAIN LINE BLOWDOWN
V4 CONDENSER WATER
V9 JACKET STEAM (SEE NOTE 2)
V11 HIGH WATER DUMP (SEE NOTE 3)
V13 CONSTANT BLEED
V14 CHAMBER STEAM
V16 WATER SHUT OFF
V35 DOOR 'A' SEAL (SEE NOTE 4)
* * V36 DOOR 'B' SEAL (SEE NOTE 4)
V37 DOOR 'A' EXHAUST (SEE NOTE 4)
* * V38 DOOR 'B' EXHAUST (SEE NOTE 4)
V43 VACUUM PUMP WATER

VACUUM LEAK TEST

NOTES:

1. SHADED AREA DENOTES VALVE ENERGIZED.
2. THE JACKET STEAM (V9) VALVE IS CONTROLLED TO MAINTAIN THE PRESET IN-CYCLE JACKET TEMPERATURE THROUGHOUT THE CYCLE AND THE PRESET OUT-OF-CYCLE TEMPERATURE WHEN OUT OF CYCLE.
3. VALVE (V11) IS ENERGIZED WHEN THE HIGH WATER LEVEL SWITCH IS OPEN.
4. FOR DOUBLE DOOR UNITS: DURING 'RETRACT SEAL' AND 'COMPLETE', THE DOOR SEAL AND SEAL EXHAUST VALVES WILL VARY BASED ON THE DOOR INTERLOCK TYPE.
   FOR SINGLE DOOR UNITS: DURING 'RETRACT SEAL' AND 'COMPLETE' THE V35 VALVE WILL BE OFF AND THE V37 VALVE WILL BE ON.

TOLERANCE STANDARD UNLESS OTHERWISE NOTED	FRACTIONAL +/-1/64 DECIMAL +/-.005 ANGULARITY+/-1° MACH. SURF. 125

NO.	DATE	E.C.A. NUMBER	NO.	DATE	E.C.A. NUMBER
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DWN. JJB	CKD.
DATE 01-22-01	DATE 1/22/01

ENG.	MFG.	C.D.
DATE 1-22-01	DATE	DATE

TITLE: CYCLE GRAPH

FIRST MADE FOR:

DWG. NO. 338522-599 | SHEET OF 4